ALGO
Communication Solutions

Application Note

AN-8180-003
OCT-17-2011
Revision 0

Key Product:	**Algo 8180 SIP Audio Alerter**
Application:	**Configuring an 8180 to work on CME 8.6 using CCP**
Summary:	**Using Cisco Configuration Professional (CCP) on Cisco Communications Manager Express (CME) 8.6, an 8180 is configured to ring simultaneously with an existing extension/phone.**

Configuration Overview

Follow these five steps to configure the 8180 on the CME platform:

1. Decide which existing phone and extension you want to ring simultaneously with an 8180. We'll call these the "Target Phone" and the "Target Extension" (e.g. Cafeteria Phone Ext. 3052).
2. Start up CCP and enable SIP to SIP connection on CME.
3. Create a new SIP Extension for use by the 8180 ("8180 Extension"), then create a new SIP Phone and User and associate it with this new extension.
4. Change the Extension currently associated with the Target Phone to a new Extension ("Pseudo Extension").
5. Create a Hunt Group with a Pilot number that matches the Target Extension so that when the Target Extension is dialled, both the 8180 and the Target Phone (now using a Pseudo Extension) will ring.

The 8180 can appear as two separate endpoints. One endpoint will play an audio file from internal memory upon ring detection, and the other will auto-answer for voice paging, with an option for talkback. If you want to use the device with both endpoints, repeat step 3 above to create two separate extensions, phones, and user.

Application Note

Enable SIP to SIP Connection

1. Log into the CME CCP.
2. Go to Configure > Unified Communications > VOIP Settings.

3. In the VoIP Parameters box, click "Edit" at the bottom.

4. On the General VoIP Settings tab, ensure "Allow SIP to SIP connection" is checked, then click OK to save the changes.

Create New Extension, Phone, and User for the 8180

5. While still logged into CCP, click the "Configure" tab.
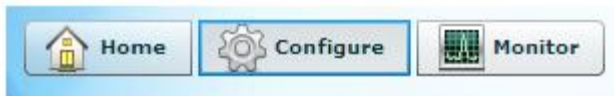
6. Expand the "Unified Communications" section followed by "Users, Phones, and Extensions".
    Then select "Extensions" and click the "Create..." button at the bottom to display the "Create
    Extension" box.

7. Set the Extension Type as "SIP" then edit the General section to set a Primary Number for the extension as well as the name to be displayed on the phone line. When complete, click OK to apply the changes.

Create a New SIP Phone

8. Navigate to the "Phones and Users" section.
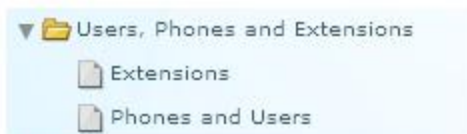
9. Click "Create..." to create a phone.
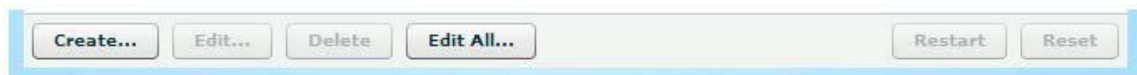
10. Set "Phone Type" as "SIP".

11. Create the "Phone" under the Phone tab.
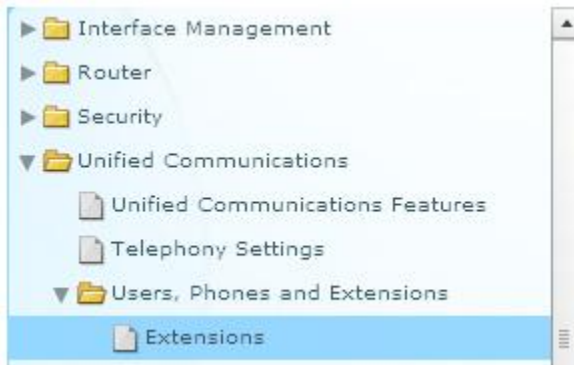

Create a New User

12. Navigate to the "User" tab and assign a User to the device.

13. Click "OK" to apply the changes.
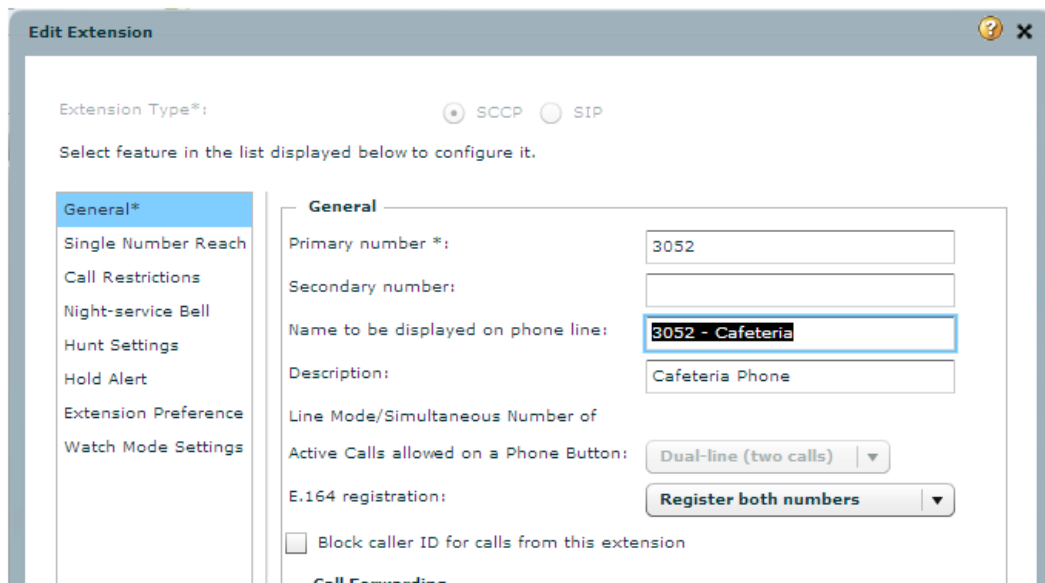
Change the Target Phone's Extension

14. Navigate to Configure > Unified Communications > Users, Phones, and Extensions > Extensions
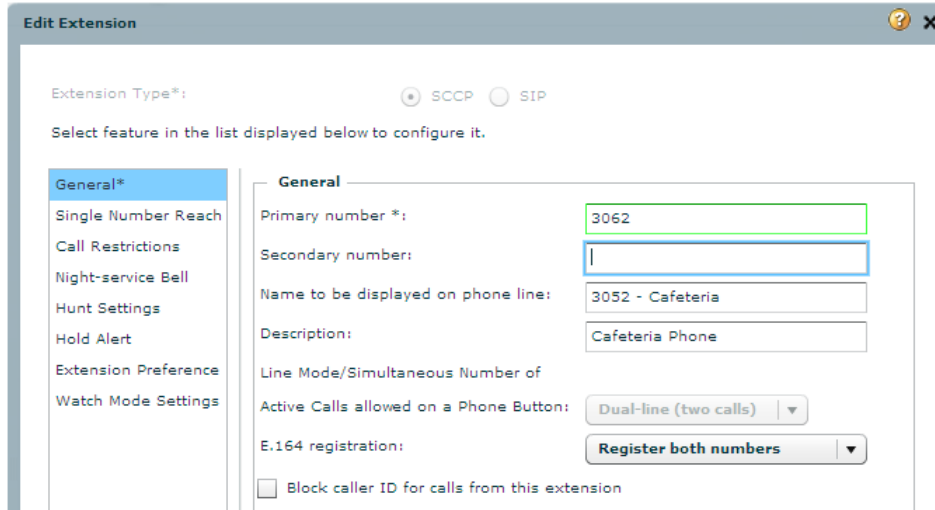
15. Select the Extension currently associated with the Target Phone.

16. Click "Edit. . ." located at the bottom to display the Edit Extension box.

Application Note

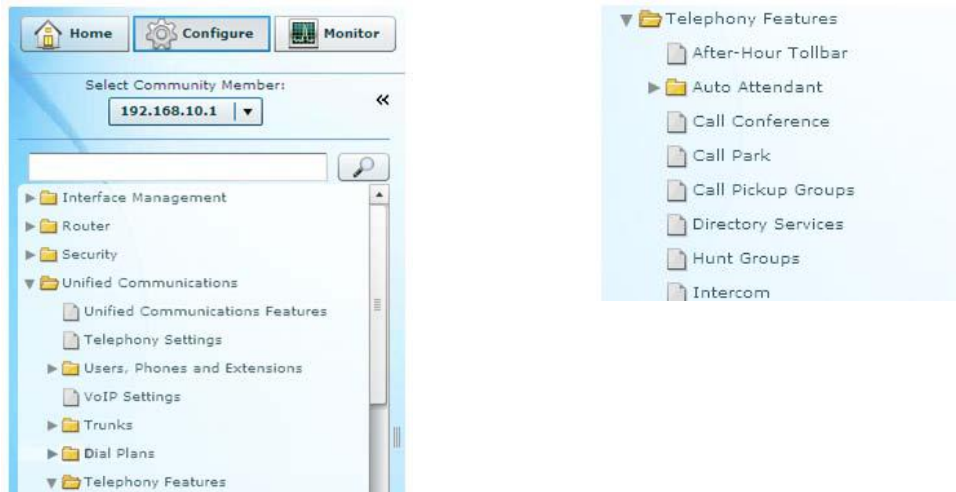17. Change the Primary number to a different unused number ("Pseudo Extension").

18. Click OK to save the changes.

Create a Hunt Group

The next step is to create a Hunt Group so that the 8180 rings when the Target Phone/Extension rings.

19. Go to "Configure" > "Unified Communications" > "Telephony Features" Section, then click on "Hunt Groups".

20. Click "Create…" which is located at the bottom.

21. Assign a Pilot number that is the same as the Target Extension
    a. Set the Type as "Parallel".
    b. Select all extensions that will participate in the ringing group and place them in the "Selected numbers" area. For this application, choose the 8180 Extension and the Pseudo Extension.
    c. Click OK to apply the changes.
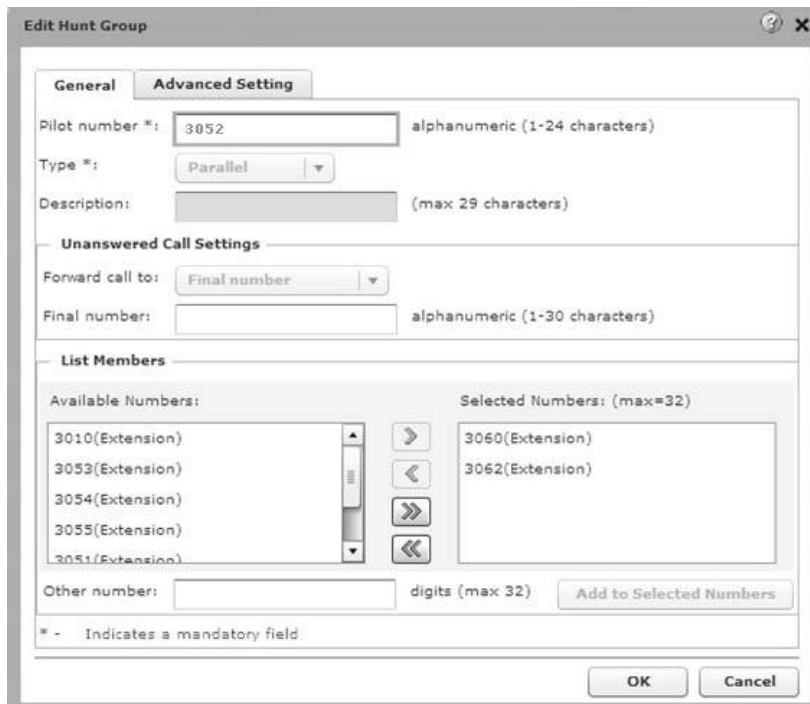
22. Using the example above, dialling 3052 (the Target Extension) should now ring the Target Phone (on Pseudo Extension 3062) and the 8180 SIP Audio Alerter (on Extension 3060).

For More Information